

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No. : Divisional of 10/230,368  
Applicant : Sotirios KELLAS  
Filed : herewith  
TC/A.U. : 3612 (parent)  
Examiner : Kiran B. PATEL (parent)

Title : DEPLOYABLE RIGID SYSTEM FOR CRASH ENERGY  
MANAGEMENT

Docket No. : 12492.0030-D1

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Attached are copies of Forms PTO-1449 and PTO-892 listing all the documents cited by applicants and the USPTO in the parent application relied upon under 35 U.S.C. § 120 and referenced in the first sentence of the specification, as amended by a Preliminary Amendment, filed herewith. Per Rule 98(d), Applicant is not required to provide copies of these documents.

This Information Disclosure Statement is intended to be in full compliance with the Rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

In submitting this Information Disclosure Statement, Applicant does not waive the right to challenge the prior status of any of the documents cited therein.

It is Applicant's belief that no fee for this Information Disclosure Statement is necessary as it is being filed prior to the first Office Action in accordance with Rule 97(b)(3). If it is

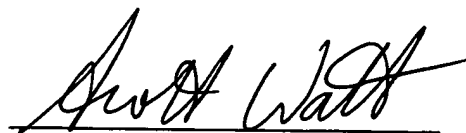
Sotirios KELLAS  
Div. of Appln. No. 10/230,368

determined, however, that a fee for filing this Information Disclosure Statement is required, the Commissioner is hereby authorized to charge any required fees (or credit any overpayment) to Deposit Account No. 19-4293.

Respectfully submitted,

Date:

1/12/04



Scott D. Watkins  
Reg. No. 36,715

STEPTOE & JOHNSON LLP  
1330 Connecticut Avenue, N.W.  
Washington, DC 20036

Tel. (202) 429-6439  
Fax (202) 429-3902

Sheet 1 of 1

**Docket No.: 12492.0030**

**Applicant: Sotirios KELLAS**

**Application No.: 10/230,368**

**Filing Date:** August 29, 2002

**Examiner: Kiran B. PATEL**

**Group Art Unit: 3612**

U.S. PATENT DOCUMENTS						
Examiner's Initials*	Document No.	Date MM/YYYY	Inventor	Class	Subclass	Filing Date If Appropriate
	3,339,673	09/1967	Schafer	188	1	
	4,142,599	03/1979	Schmitt	180	21	
	4,227,593	10/1980	Bricmont et al.	188	1 C	
	5,306,066	04/1994	Saathoff	296	146.6	
	5,333,665	08/1994	Safar	160	84.1 D	
	5,524,641	06/1996	Battaglia	128	846	
	5,915,876	06/1999	Barbazza	404	6	
	6,085,878	07/2000	Araki et al.	188	377	
	6,086,098	07/2000	Reiter et al.	280	752	
	6,327,813	12/2001	Ishiwatari	43	125	

[illegible][illegible]**Date Considered**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM 1449 (S&amp;J Version)

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Docket No.: 12492.0030

Applicant: KELLAS

Application No.: 10/230,368

Filing Date: August 29, 2002

Examiner:

Group Art Unit: 3612

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Document No.	Date MM/YY/	Inventor	Class	Subclass	Filing Date If Appropriate
	2973172	02/61	Bixby			
	3339673	09/67	Schafer			
	3552525	01/71	Schudel			
	4142599	03/79	Schmitt			
	4227593	10/80	Bricmont et al			
	5306066	04/94	Saathoff			
	5333665	08/94	Safar			
	5524641	06/96	Battaglia			
	5746537	05/98	Kellas et al			
	5915876	06/99	Barbazza			
	6085878	07/00	Araki et al			
	6086098	07/00	Reiter et al			
	6327813	12/01	Ishiwatari			

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Document No.	Date MM/YY	Country	Class	Subclass	Translation	
						Yes	No

**OTHER DOCUMENTS**

Examiner's Initials*	Include author, title of article, title of item (book, journal, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	"Investigation of a Compartmented-Gas-Bag Landing System Having Multiple-Impact Capabilities," by John R. McGehee, NASA Technical Note NASA TN D-4710, published by NASA, Washington, D.C., August 1968.
	"Cushioning for Air Drop, Part VII, Characteristics of Foamed Plastics Under Dynamic Loading," by James W. Turnbow, prepared for Quartermaster Research and Development Command, The University of Texas, Structural Mechanics Research Laboratory, Austin, Texas, March 28, 1957.
	"Foam Impact Attenuation System," by S. R. Mehaffie, AIAA 6th Aerodynamics Decelerator and Balloon Technology Conference, Houston, Texas, March 5-7, 1979.

Examiner's Signature		Date Considered	
----------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Notice of References Cited</b>	Application/Control No. 10/230,368	Applicant(s)/Patent Under Reexamination KELLAS, SOTIRIOS	
	Examiner Kiran B. Patel	Art Unit 3612	Page 1 of 3

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2,973,172	02-1961	BIXBY	188/268
*	B	US-3,744,835	07-1973	Carbone et al.	293/120
*	C	US-4,221,413	09-1980	Bonnetain, Yves	293/122
*	D	US-4,227,593	10-1980	Bricmont et al.	293/133
*	E	US-4,522,284	06-1985	Fearon et al.	181/292
*	F	US-4,844,213	07-1989	Travis, William B.	188/377
*	G	US-4,852,704	08-1989	Brockenbrough et al.	188/378
*	H	US-5,069,318	12-1991	Kulesha et al.	188/377
*	I	US-5,524,841	06-1996	Battaglia, Arthur P.	128/846
*	J	US-5,306,066	04-1994	Saathoff, Donald G.	296/187.12
*	K	US-5,333,665	08-1994	Safar, Samir H.	160/84.05
*	L	US-5,403,112	04-1995	Carney, III, John F.	404/6
*	M	US-5,454,589	10-1995	Bosio et al.	280/729

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

10/230,368

Applicant(s)/Patent Under  
Reexamination  
KELLAS, SOTIRIOS

Examiner

Kiran B. Patel

Art Unit

3612

Page 2 of 3

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,715,757	02-1998	Dannawi et al.	296/187.03
*	B	US-5,746,419	05-1998	McFadden et al.	188/377
*	C	US-5,915,876	06-1999	Barbazza, Fabrizio	188/377
*	D	US-5,959,552	09-1999	Cho, Myungeun	280/730.2
*	E	US-6,085,878	07-2000	Araki et al.	188/377
*	F	US-6,086,098	07-2000	Reiter et al.	188/377
*	G	US-6,142,563	11-2000	Townsend et al.	297/216.1
*	H	US-6,158,771	12-2000	Nusser et al.	296/187.05
*	I	US-6,327,813	12-2001	Ishiwatari, Takao	43/125
*	J	US-6,372,311	04-2002	McCormack, Brian	293/128
*	K	US-5,427,983	06-1995	Ahmad et al.	427/99
*	L	US-6,457,755	10-2002	Nieto, Robert A.	293/128
*	M	US-6,554,529	04-2003	Stephens et al.	404/6

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

10/230,368

Applicant(s)/Patent Under

Reexamination

KELLAS, SOTIRIOS

Examiner

Kiran B. Patel

Art Unit

3612

Page 3 of 3

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,595,502	07-2003	Koch et al.	188/377
*	B	US-6,623,204	09-2003	Buehler, Michael J.	404/6
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.